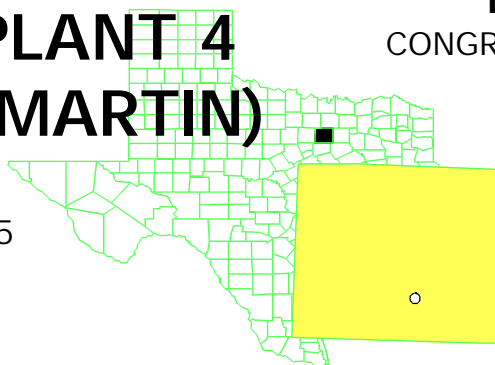


AIR FORCE PLANT 4 (LOCKHEED-MARTIN) TEXAS

EPA ID# TX7572024605

EPA REGION 6
CONGRESSIONAL DISTRICT 12
Tarrant County

Updated: 01-13-03



Site Description

- Location:** ! Air Force Plant 4 (AFP4) is located in North Central Texas in Tarrant County, six miles northwest of Fort Worth. The communities of White Settlement, Lake Worth Village, Westworth Village, River Oaks, and Samson Park Village lie within a 3-mile radius of AFP4. Naval Air Station Fort Worth (formerly Carswell Air Force Base) is located adjacent to AFP4 to the east.
- Population:** ! Approximately 13,000 people reside in White Settlement.
- Setting:** ! AFP4 is a government-owned, contractor-operated facility consisting of 760 acres. The facility has manufactured military aircraft since 1942 and is currently operated by Lockheed Martin Corporation.
- ! The manufacturing operations and associated processes at AFP4 have resulted in the generation of waste oils, waste fuels, paint residues, used solvents, and process chemicals.
- ! Six schools are within a 2-mile radius of AFP4; the closest school is located 1/2 mile south of the facility. The areas south, west, and west-northwest of AFP4 are mainly residential. Lake Worth, bordering AFP4 to the north, provides recreational boating, fishing, and water skiing. This lake also furnishes municipal water to the city of Fort Worth and is a recharge source to the underlying Paluxy Aquifer. Ground water wells completed in this aquifer supply municipal water to the city of White Settlement.
- Hydrology:** ! Contaminants have been detected in surface water samples collected from two creeks in the area.
- ! The nearest drinking water well is located approximately 1/4 of a mile from the site.
- ! Contaminants have been detected beneath AFP4 in the Terrace Alluvium Aquifer, the Upper Sand ground water of the Paluxy Aquifer, and in the Paluxy Aquifer above safe drinking water levels.

Wastes and Volumes

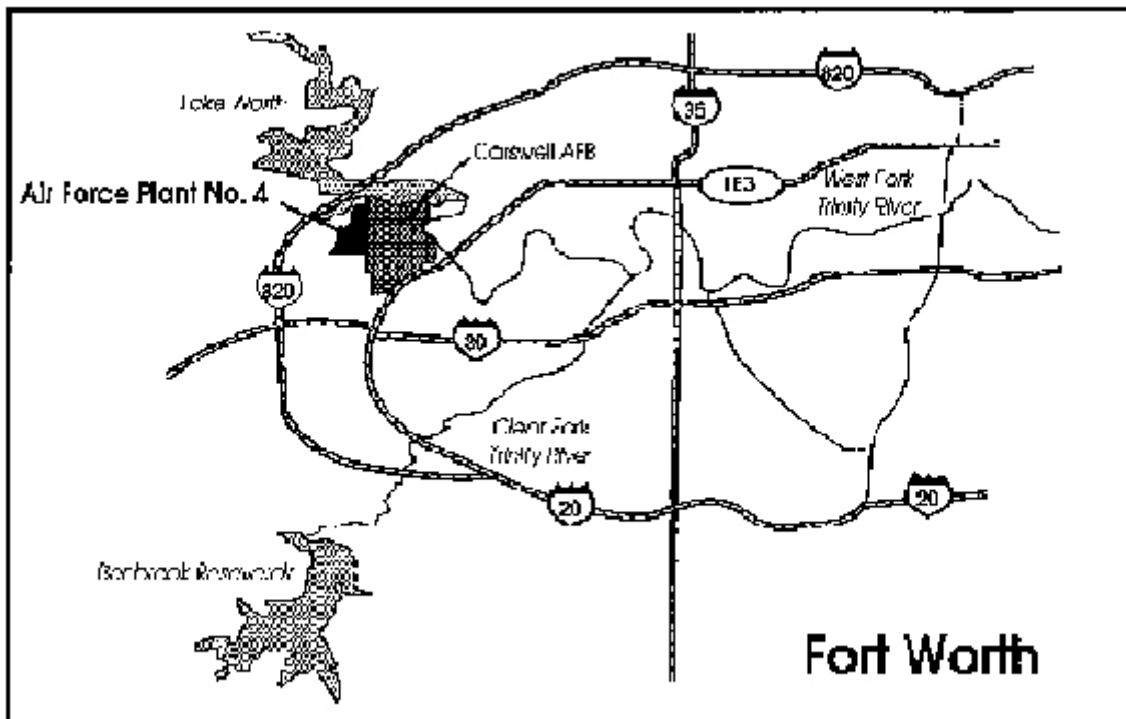
- ! The principal pollutant at AFP4 is trichloroethylene (TCE).

Site Assessment and Ranking

NPL LISTING HISTORY

Site HRS Score: 39.92
Proposed Date: 10/15/84
Final Date: 8/30/90
NPL Update: No. 2

Site Map and Diagram



The Remediation Process

Site History:

- ! The site is owned by the U.S. Air Force (USAF) and operated by Lockheed Martin Corporation.
- ! The plant has been operational since 1942.
- ! In the past, the plant produced approximately 5,500 to 6,000 tons per year of spent process chemicals.
- ! Past spills of TCE have reportedly occurred within the Chemical Process Facility (Building 181) of the Assembly Building/Parts Plant.
- ! Major potential sources of contaminants were the degreaser tanks located in Building 181, where a documented TCE release was reported in June 1991. The exact amount of TCE released is not known.

- ! Currently, through waste minimization techniques, the offsite disposal of waste is less than 2,500 tons per year.

Health Considerations:

- ! The Paluxy Aquifer is used by the city of White Settlement as a drinking water source.
- ! Contaminants have been detected in the Upper Sand ground water of the Paluxy Aquifer and in the Paluxy Aquifer above safe drinking water levels.

Record of Decision

- ! A Record of Decision for AFP4 was signed by the Texas Natural Resource Conservation Commission (TNRCC) in July 1996, and by the USAF and the U.S. Environmental Protection Agency (EPA) in August 1996.

Community Involvement

- ! Community Involvement at AFP4 is the responsibility of the USAF.
- ! Site Repositories: EPA Region 6, 1445 Ross Ave., Suite 1200; Dallas, TX 75202. White Settlement Public Library, 8215 White Settlement Road; White Settlement, TX 76108; TNRCC, Technical Park Center, Building D, 12118 North IH-35; Austin, TX 78753.
- ! A joint Restoration Advisory Board (RAB) was established for AFP4 and Carswell Air Force Base. A community co-chair has been elected and the RAB generally meets on a quarterly basis.

Technical Assistance Grant

- ! Availability Notice: None
- ! Grant Award: None
- ! Current Status: The EPA, USAF, and the Navy have formed a joint RAB.

Contacts

U.S. Environmental Protection Agency

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U.S. Air Force

- ! Project Manger:** Mr. George Walters (937) 255-4151 ext. 416.

Enforcement

- !** EPA, USAF, and the TNRCC have entered into a Federal Facility Agreement. EPA signed the agreement on August 31, 1990.

Present Status and Issues

- !** AFP4 is currently in the Remedial Design/Remedial Action Phase of the remedial process.
- !** A Soil Vapor Extraction System has been operational since August 1999.
- !** An experimental Dense Non-Aqueous Phase Liquid Enhanced Removal through heating system to date has proven to be effective in lowering contamination in the study area.
- !** A Vacuum Enhanced vapor/groundwater recovery system has been operational since 1993.
- !** A full scale remediation system has been completed over the East Parking Lot. The system will begin operations after undergoing testing and evaluation.
- !** There are also several ground water pump and treat systems in place on the outer perimeter of the underground contaminant plume. These systems are in place for containment purposes as concentrations are much lower in these areas.

Benefits

- !** Cleanup of the contamination from AFP4 will protect the drinking water resource for 13,000 people living within one mile of the site, as well as an important recreational area used by many Tarrant County residents.